INFORMATION REPORT INFORMATION REPORT

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# CENTRAL INTELLIGENCE AGENCY

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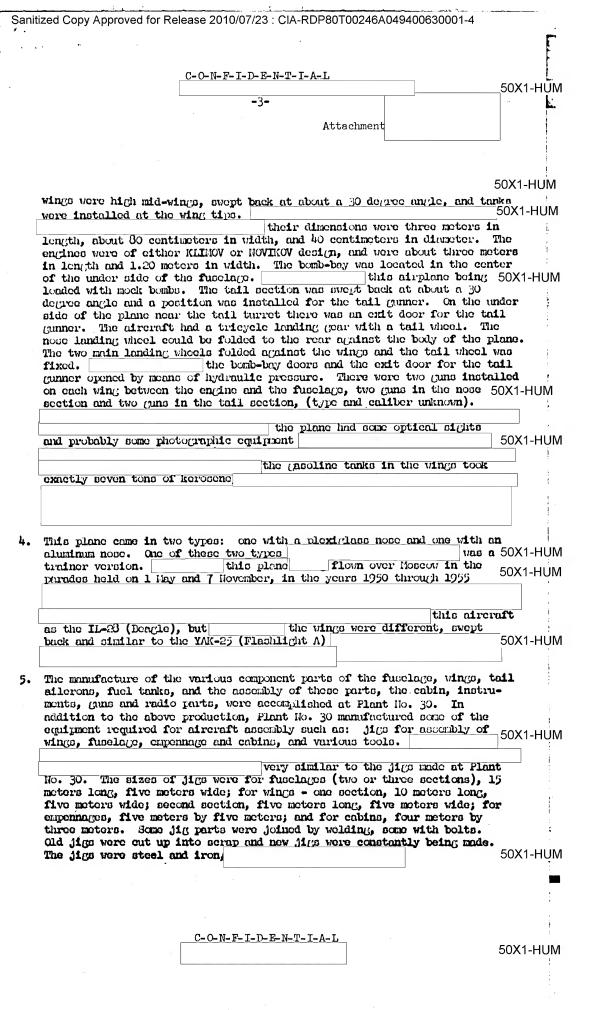
		C-O-N-F-I-D	-E-N-T-I-A-L		50X1-HUM
COUNTRY	USSR (Moscow Oblast)	)	REPORT		
SUBJECT	Airframe Plant No. 3		DATE DISTR.	# 7 JUL 1959	
		, ,	NO. PAGES	1	
			REFERENCES		50X1-HUN
DATE OF INFO.					
PLACE & DATE ACQ.	SOURCE EVALUATIONS				50X1-HUM
		report on	Airframe Plant N	o. 30. Moscow	
	Prior to 1949, Plant the plant began to p The plant manufactur assembled them. The products of the plan some personalities c working conditions i plant location and e legends for same.	eroduce an Ilya ed most of the report on Air t, the raw mat connected with n the plant.	ushin light bomb e component part eframe Plant No. serials it used the plant. The	er with twin-jets of this aircra 30 lists the ot and their source report also des	engines. ft, and her s, and cribes
					50X1-HUM
		C= O= N= F= T= D=	E-N-T-T-A-I		50X1-HUM
STATE X	ARMY X NAVY 2	C-O-N-F-T-D-			50X1-HUM

C-O-N-F-I-D-E-N-T-I-A-L	 50X1-HUM
	!
Attachment	i ;

# AIRFHAME ASSEMBLY FLAMT NO. 30

Ш	aircraft assembly plant known as Aviats (Aircraft Factory No. 50)		, ,,,,,
ŀ		plant was	์ 50X1-Hเ
	subordinate to the Ministry of Air Industry which	vas	30/(111
•	merged with the Ministry of Armonent Industry in the 1950's		t.
	area, about one kilometer by 700 meters, was located south	end of Lonf	nanag=
•	skoye shosse and northwest of Botkinskiy perculok, adjoining	or the Centr	n1
	Airfield in the northwest. The factory was built in 1930		
	the designation of Plent No. 1. In 1950 it was merged with		
	aircraft assembly factory, and at that time the designation	i momer sa	GTTGL.
٠			
	shops were changed several times, once while merging with	che other ra	250X1-F
	and on several other occasions.	Tenobe nos	· COOXI I
ŧ	and 10, were later renumbered nos. 53 and	d 54 respect	ively.
	In 1951 or 1952 there were rumors that the entire plant wo	uld be moved	near
	Knybyshev in Siberia but nothing happened to substantiate	these rumors	•
	There were also rumors that in 1956 the plant might change	to the prod	uction_
	of a four-jet engine bomber		
	the plant machinery was		
	production of four-engine bombers. Other rumors were that	Plant No. 3	
•	be used to produce only experimental prototypes of aircraft	t.	50X1-HL
	993 - and - 930 - and an		
	Plant Products		
	2 4		50X1-H
	during W.W.II. Plant No. 30 produced mil	luar/ aircra	IU.
		it wa	
	the II-10 bomber. In 1945	Plant No	-
	manufactured the II-12, a passenger aircraft modeled on the		• ) •
		G_09€M900	50X1-F
	Douglas aircraft.		
	At some stage		Plant
	No. 30 discontinued making the IL-12 passenger aircraft and	d began to r	roduce
	a light bomber with twin-jet engines. This aircraft was a	lso one of t	<sub><b>հе</b>50X1-Н</sub>
	Ilyushin series		
		esci1bed	ດອ
	follows: a twin-jet engine light bomber, with a plexiglass		
		oflot and a	50X1-HI
	glass top over the pilot's cabin. There were seets for a	r cam G	
	glass top over the pilot's cabin. There were seats for a province (Sturmen) in the pilot's cabin. There were size	tion gents h	r#
	navigator (Sturmen) in the pilot's cabin. There were ejec		
	navigator (Sturmen) in the pilot's cabin. There were ejec means of which the pilot and navigator could be ejected fr	om the plane	
	navigator (Sturmen) in the pilot's cabin. There were ejec means of which the pilot and navigator could be ejected fr these ejection seats being tested in the tower	om the plane shown as poi	nt 89,
	navigator (Sturmen) in the pilot's cabin. There were ejec means of which the pilot and navigator could be ejected fr these ejection seats being tested in the tower Plant Layout. The ejection seats were put in a mock cabin	om the plane shown as poi and ejected	nt 89,
	Plant Layout. The ejection seats were put in a mock cabin from the cabin. They were expelled to heights of five to	om the plane shown as poi and ejected	nt 89,
	navigator (Sturmen) in the pilot's cabin. There were ejec means of which the pilot and navigator could be ejected fr these ejection seats being tested in the tower Plant Layout. The ejection seats were put in a mock cabin	om the plane shown as poi and ejected fifteen mete	nt 89,

C-O-N-F-I-D-E-N-T-I-A-L



C-O-N-F-T-D-E-N-T-I-A-L	]	50X1-HUM
-4- Attachment		;
Noddina		1

- 6. Other items manufactured at Plant No. 30 were:
  - a. Forces, dies, bore diameters, micrometers, wrenches, rulers, bits, twist drills, drills, muts, bolts, serew-cutting dies and tool kits to be placed in each aircraft.
  - b. Dermantin (artificial leather) covers for engines and pilot's cabins.
- 6-/, Plant No. 30 also manufactured the following consumer goods from scrap and waste metal:
  - a. Metal milk cans, about 70 centimeters in height, 40 centimeters in diameter:
  - b. Keroseno stoves of aluminum, 25 continoters in height, 20 centimeters in diameter;
  - c. Steel ploughs (manufacture of the ploughs was started in 1954);
  - d. Up until 1952 Plant No. 30 made white metal refrigerators, about one 50X1-HUM and one-half maters high. 70 centimeters in width and 70 centimeters in length.

production had stopped.

- e. Folding beds, about two moters long, 70 centimeters wide and one-half meter in height, which sold for 140 rubles. Children's beds, some of which were painted in a silver color, sold for 220 rubles, and other children's beds painted yellow and white sold for 190 rubles. The beds were made from iron, aluminum, or Duralumin.
- f. Ladles, spoons and forks which sold for four rubles each.
- g. Stands for display of flags.
- h. Steel girders. In 1955 Plant No. 30 began making steel girders and beams for construction of seven to ten-story apartment houses. These beams were 15 meters long, up to two meters in width and one-half meter in height. The plant also produced various other steel parts used in building construction such as window frames, door parts, etc.
- 1. Children's toys, such as sleds, toy sleds, toy horses.
- Plant No. 30 repaired and tested scales, ranging from five kilos to
   350 kilos capacity, for an unknown plant.
   50X1-HUM
- 7. IL-12 airplanes were repaired in a separate chop area (see point 35, Plant Layout). 
  there were always several IL-12 aircraft parked out in the open and repair work being done such as the replacement of aluminum sheets and work on the engines. 
  Some of these IL-12 planes had German, Polish and Czech markings.

C-O-N-	F-I-D-E-N-T-	I-A-L

	C-	O-N-F-1-D-E-N-T-1-A-L		ì
	• .	<b>∞</b> )#		50X1-HUM
			hment	
	<b>~</b>			5074 111174
				50X1-HUM
				50X1-HUM :
8.	(see point 78, Plant Layo	a four-engine bomber in aut). The shop was off lines seen through the glass was	nits but the upper par lls of the shop.	rt
	any passenger planes after		o. 30 did not produce	]
	unknown plants for assembloaded on railroad cars f	elaces of the II-12 and of dy. vings and fus- or chipment either to the y Plants, however he was	elages being crated a Kuybyshev and/or to	50X1-HUM
	Distribution of Production	<u>n</u>		-
9•	were taken over by Soviet	re taxied out to the Cent. Air Force officers and to and wings, Plant No. 30 st	est flown to Rumensk	50X1-HUM
	assembly of fuscinges, ca these jips w	bins, tails and wings to ere sent to Kuybyshev, be all the jigs (see Personn	other plants.	unt elow).
10.	spoons were all marked (a Zavod 30'(Tovary Shirokov No. 30). The folding bed were also shipped to Pola printed by Plant No. 30 p the Polish and Chinese la	, milk cans, refrigerator, tamped, steneiled or die- ro Potrebleniya - Zavod 30 s were distributed not on and end China.  printing shop (shown as por aguages. These labels we ing beds. The boxes were	immored) Shirpotreb - Consumer Goods, Pla ly all over the USSR, 1 chipping labels, int 21, Plant Layout) re pasted on cardboars	but 50X1-HUM in
11.	total plant output. The	ducts represented only a main production of the plus, and the component airc	ant other than the acc	
	Rev Materials			
12. [	by-products as toys, milk and forks to various stor delivery of steel cirders	cans, kerosone stoves, rees in the city and oblast to construction areas in pick up engines and raw	of Moscow, and for the Moscow truck fre	ie Dae
	wooden boxes, two and which weighed about o	V and/or NOVIKOV design or one-half by two by two me to one and one-half to hree-ton truck. Frequent	meters in dimension 1. Two such boxes wer	10
	·			!
		'- O- N-F- T- D- F- N-T- T- A- I.	·	50X1-HUM

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		C=O=N=F=1=1=E=N=1	-1-W-II	50X1-H
		• ( =	Attachment	
m.	were picked up s	various sizes, bel: t the Kazenskiy and		direraft instruments,
n.	on Mozhayakoye a factory, and cou radar factory to	hosse, Moscow. He ald only drive up to ok over the truck o turned londed with	was not permitted the gate where a and drove it into	driver from the the factory area.
3. Oth	ner raw materials	(origin unknown)		seen at Plant No.
30	werc:			
. 8.	Armement, which Soviet drivers	came from Plant No were sent to Plant	. 43, Moscow. No. No. 43 to pick up	rmally, only certain armament.
ъ.		for aircraft - non pick up these ite		in Soviet drivers
c.	Iron, shipped in	by railroad.		
đ.	Duraluminum and	aluminum sheets br	ought in by rail.	
0.	Mazut fuel shipp	ed in by railroad.		
f.	Coal brought to	the plant in freig	ht cars.	
દ•	point of arigin t	rought in by specia mknown, but believ ght in daily use u	ed to be Romensk .	ten page 37 ) Airfield. The liquid
h.				ng to Plant No. 30. o be Rumensk Airfield.
1.	Steel armour pla	ntes which were pla	ced at the back o	f the pilot's seat.
· J.	Plexiclass.			50X1-HUI 50X1-HU
k.		ed in by railroad. inum but highly inf	described	as a metal
1.	Cement and sand		·¥:	5074 11118
m.	Oil and bonzine	•		50X1-HUN
	ilities			50X1-H
		lied with water by loseow water system		lines which
	<u> </u>			
		C-O-N-F- L-D-E-N	-T-I-A-L	E0V4 1
				50X1-H

	C-O-N-F-T-D-E-N-T-T-A-I
	-8-
	Attachment
	50X1-HUM
GE:	origin of electric power was unknown, assumed it to be the Gidro Elektricheckaya Stantaiya - Hydro-electric Power Station) twork. The current supplied to the factory was 220 volts. The plant is a transformer station shown as point 66. Plant Layout.
inf	The supply of electricity was adequate at all times. The 50X1-H frequent electricity failures were repaired within an hour or so.
Tre	unsportation .
off (3t rai con lay by tru pro bro Mos 70 by spo were and wor	orallroad sidings entered Plant No. 30 from the west, shown as points and 26, Plant Layout. In the southwest immediately cutside the fenced area, there was a reliroad marshalling yard called the 8th Tupik's the siding) which united the two inlinead sidings with the Basew ring thread not. The railroad was of standard Soviet (nuce. There was a servete platform 50 meters long, and 10 meters wide (point 4, Plant Yout), near the railroad marshalling yard. Raw materials which arrived rail were unloaded onto this platform by mobile cranes, then taken by ack to the various shops of Plant No. 30. In the same manner finished should from some of the shops of Plant No. 30 were loaded onto trucks, bught to the loading platform and crane-loaded onto railroad flatears.  The percent of the incoming material was brought in by truck and 30 percent railroad. Of the finished products, only toys, beds, steel girders, 50X1-Hloons, etc., were shipped out by truck. Aircraft, the main plant product, taxled out to the adjoining airfield shown as point 63, Plant Layout, of flown out. Crated fuselages and wings manufactured by Plant No. 30 we shipped by railroad.
poi	plant had very good asphalt-paved roads, 15-20 meters in width, shown as nt 40 on Plant Layout. These roads were adequate for the needs of plant 30.
Pla	unt Vehicles
The typ	Plant No. 30 transportation facilities were comprised of the following ses of vehicles:
a.	About 50 passenger cars were available for the director of the factory, shop managers, engineers and other administrative personnel.  types of vehicles: four ZIC-111. one ZIM (for use of the plant director), 10 M-1 (Molotov cars)  and six Pobeda (Soviet
	mode care).
ъ.	Five ZI3 autobuses. One had 50 scats and the other four each had scats for about 25 passengers. These buses were used to transport those workers who lived far from the plant to their work site. They were also used for factory outings, for transportation to vacation places, in funeral processions and to take children of the plant employees to
	summer camps.

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		C-O-N-F-T-D-F-N-T-T-A-I. 50X1-HUM
		-9- Attachment
		Accentient
	a.	Ten tank trucks for hauling kerosene fuel. One was a 20-ton 50X1-HUM truck
		three 10-ton Yagz and six three-ton ZIS-5 tank trucks. 1 50X1-HUM
	e.	About 2/5 trucks of the following varieties:  er trucks which were brought to Flant No. 30 in 1945, and were still in good condition in 1956; 150 ZIS-5 three-ton trucks; 50 ZIL four-ton trucks; 25 GAZ two and a half-ton trucks; 25 GAZ one and a half-ton trucks; and two oxygen tank trucks, mounted on a ZIS-5 chassis (see aketch, page 37 ). There were three mobile cranes. One five-ton capacity crane was mounted on a YAZ-200 truck, the other two three-ton capacity models were mounted on ZIS-5 trucks.
	f.	Six or seven fire engine trucks, mounted on ZIS-150 trucks.
	g.	Three towing trucks, used to pull railroad cars. (Plant No. 30 had no locomotives). These trucks formerly had ZIS-5 engines which were replaced by ZIS-150 engines in 1954 or 1955. One truck could tow five 20-ton railroad flatcars.
	h.	tinilers 50X1-HUM
		vere used to transport the various plant products from one shop to another, such as to bring parts from the force shop to the assembly shop.
	Vat	cer gransportation
19.	to	times pigiron and other unknown items were brought by ships or barges the Khimki River Station on the Moskva River and were taken from there truck to Plant No. 30.
	Sto	prope
20.	one two pir squ are in fir mot	addition to the storage facilities described in paragraph 44 below, a shown on Plant Layout, Plant No. 30 had a Chemical Depot located about and one half kilometers from Plant No. 30, on Khoroshevskoye shosse, apointed on sketch, page 36. This depot was an area, about 250 meters are surrounded by a wooden fence about three meters high. Inside the athere were four one-story brick buildings, about 35 x 15 x 15 meters area dimension. Each building had a basement, and the walls were mished off in wood. In these buildings and basements the following certals were stored: paints, acids, glues and barrels of benzine, oil, kerosene.
21.	poi had a i	e loading platforms described in paragraph 44 below are shown as ints 4, 23, 29 and 75 on Plant Layout.  many shops 50X1-HUM their own storage areas. The buildings were fireproof, but there was fireman on constant alert duty in the tower shown as point 30, Plant 50X1-HUM yout, to look out for fire. There were also fire extinguishers, a water sin shown as point 53, Plant Layout, and an elaborate fire signal system.  there were several small fires during which buildings con-
	tai	ning chemicals and paints were completely burned.
		C-O-N-F-I-D-E-N-T-I-A-L
		50X1-HUM

	-10-	Attachment		-
		•		
nsembly Line				50X1-F
the plant was	an old plant, and d	id not have conveyed	ors. In those	2
hops where fusels orkers moved from	nges, wings, tails, an place to place. In	the final assembly	y shop, the	
ircraft was moved	l by crone	from	place to place	to 50X
ositions in two p see points 49. 51	parallel lines. All L, 93 and 96, Plant I	buildings where ji avout). or where is	os vere made	for
scembly, were equ	ipped with overhead	traverse cranes, c	apacity three	to
ive tons.				
arious shops mam	afactured jigs, instr	uments, dies, mold	s, and forms	el Auc 1
ecessary for the	manufacture of aircrafactured all parts n	ait component part	s. Many indi-	vrauar
a saor bra arlda	ections, wheels, etc.	The completed wi	ngo, tails, A	melagos
-lade alleged as	nd nose parts, were t	hen taken to the f	inal assembly	shop.
upine, wiccie, a				
spenibled, and all	l instruments, armamo	nt, photographic a	nd radio equi)	ement,
secribled, and all	l instruments, armomo e installed. After t	nt, photographic a esting the guns, t	nd radio equi; he engines, a	pment, nd a
unembled, and all coll kit etc. were thorough check by	l instruments, armomo e installed. After t Air Force officers s	nt, photographic a ceting the guns, t nd mechanics who v	nd radio equi; he engines, a ere enlisted :	gment, nd a men,
unembled, and all coll kit etc. were thorough check by	l instruments, armomo e installed. After t	nt, photographic a ceting the guns, t nd mechanics who v	nd radio equi; he engines, a ere enlisted :	gment, nd a men,
unembled, and all coll kit etc. were thorough check by	l instruments, armomo e installed. After t Air Force officers s flown from the Centro	nt, photographic a cesting the game, t and mechanics who w A Airport to Ramen	nd radio equiple engines, as ere enlisted p ak.	ement, nd a men, 50X1-1
special description of the control o	instruments, armonde installed. After the Air Force officers afflown from the Centro	ent, photographic a cesting the game, t and mechanics who w it Airport to Ramen signed to planes af part had a ticket	nd radio equiple engines, alere enlisted rak.	ement, nd a men, 50X1-
special description of the second sec	numbers were assessed the component	nt, photographic a ceting the game, t and mechanics who was Airport to Ramon digned to planes af part had a ticket as were stamped by	nd radio equiple engines, are confisted ask.  ter they left for control as Plant No. 30	ment, ad a men, 50X1- the ad
special description of the control o	numbers were assessed the trees of the component reposes. These ticket only after testing as	esting the game, to an acclumic a the game, to an acclumic who will Airport to Ramen algorithm to planes affect to were stamped by all approval by Air	nd radio equiple engines, are confisted ask.  ter they left for control as Plant No. 30 Force officer.	ment, ad a nen, 50X1-l the ad 50X1
controlled, and all col kit etc. were thorough check by the aircraft was controlled to the controllers, but nechanics who were	numbers were assessed enlisted men. Viny armonder to the component reposes. These ticket enlisted men. Viny armonder men.	nt, photographic a ceting the game, t and mechanics who was Airport to Ramen denoted to planes af part had a ticket as were stamped by Airgo, tails, fuselage	nd radio equiple engines, and radio equiple engines, and cabino	ment, ad a nen, 50X1-l the ad 50X1
col kit etc. were shorough check by the aircraft was collant.	numbers were assessed the trees of the component reposes. These ticket only after testing as	nt, photographic a ceting the game, t and mechanics who was Airport to Ramen denoted to planes af part had a ticket as were stamped by Airgo, tails, fuselage	nd radio equiple engines, and radio equiple engines, and cabino	ment, ad a nen, 50X1-l the ad 50X1
controlled, and all col kit etc. were thorough check by the aircraft was color. I dentification pure controllers, but exchange who were each described in	numbers were assessed enlisted men. Viny armonder to the component reposes. These ticket enlisted men. Viny armonder men.	nt, photographic a ceting the game, t and mechanics who was Airport to Ramen denoted to planes af part had a ticket as were stamped by Airgo, tails, fuselage	nd radio equiple engines, and radio equiple engines, and cabino	tue  50X1-  tue  50X1-  tue  50X1  were
plant.   dentification pure character who were controllers, but the character who were character when the ch	numbers were assessed. These ticket only after testing are enlisted men. Wing booklets for control	esting the game, to and mechanics who was a mechanics who was a figured to planes af part had a ticket as were stamped by all approval by Air go, tails, fuselage and numbering pur	nd radio equiple engines, and cabina poses.	tune ad a 50X1-land a or were
plant.   dentification pure part described in part   controllers, but   controllers, but   controllers who were   controllers who were   controllers   contr	numbers were asset enlisted men. Wing booklets for control	esting the game, to and mechanics who was a mechanics who was a figured to planes af part had a ticket as were stamped by all approval by Air go, tails, fuselage and numbering pur	nd radio equiple engines, and cabina poses.	the sort were
spenbled, and all col kit etc. were thereugh check by the aircraft was dentification pure controllers, but spechanics who were ach described in Production	numbers were asset enlisted men. Wing booklets for control	esting the came, to and mechanics who was a mechanics who was a figured to planes affect that a ticket is were stamped by all approval by Air is, tails, fuselage and numbering pursecret and were known as the control of the control	ter they left for control as Flant No. 30 Force officers, and cabins posses.	the the solution of the soluti
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owever, when those hich had coronic pl umber unknown) engl	nt No. 49 produced a copy of a Brit engines were tested at Plant No. 3 lates, malfunctioned and broke down incs were scrapped. As of 1943, Pl cype engines for Plant No. 30.	O, the turbines, Quite a few (exact
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he fact that the no no shorte Plant No.	lant No. 30 did not fulfill its nor s was not the fault of the working orm set by the Armament Industry M ages of material or labor, or of st 30, though it was old, cramped for tems, was clean, efficient and well	nistry was too high.  crikes. 50X space, and lacked
orking Conditions		
he schedule was to ours daily, instead hops operated in the nd office personnel from 0300 to 1700 he tandby duty. The choose 1800 hours and from 0100 hours and from the had a one-hour copic assigned to teopic worked in the	be changed to 42 hours per week (so changed to 42 hours per week (so of eight hours daily as it had be aree shifts, other shops operated it worked only one shift. The trains but there were always about 10 office personnel worked from 0000 to 1700 from 0100 to 0800 hours. The night 2 hours a week. Nost people worked a lunch period from 1200 to 1300. The night shift.  In first shift, 15,000 in the second lant No. 30 was closed on political	eix days, with seven een formerly.). Some en only two shifts, cuck drivers worked 0 chauffeurs on to 1300 and from 0 hours, from 1/00 shift employees 1 in the first shift There were very few about 25,000 50X
caves and Vacations	<u> </u>	50X1-
hop managers and for in the foundry, a ersonnel received l rom 15 to 50 trucks to farms in the Nesc his farm work was a	wed 30 days annual leave with full premen, and those employees who wor also received 30 days annual leave. 18 days leave annually. Each summer and about 100 workers, selected is easy or neighboring oblasts to help meh sought after by the personnel every pay they received TDY money of	ked in chemical shops All other plant er, Plant No. 30 sent from various shops, with the harvesting, because in addition
he harvest wore us	The people rally at the kolkhozy for three or	sent to help with four months. 50X1-
lant No. 30 also h	nd several children's camps and re- ren's home was in Nakhabino, near l	ot homos for the

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#### Workers' Welfare Services

- 31. Plant No. 30 had the following facilities for the welfare of its workers:
  - a. A housing section, to provide living space for its employees. Plant No. 30 operated about 50-75 residential buildings for its employees. Besides the buildings shown as points 16 and 17, Plant Layout, Plant No. 30 had many apartment buildings in Petrovskiy Proyezd, five to eight apartment houses in Koptevo, seven to ten buildings in Oktyabrskoye Pole, and was constructing new residential buildings. The buildings were five to eight stories high, of various sizes.
  - b. A club, located on ulitsa Pravdy near Leningradskoye shosse. This was a three-story gray stucco building, about 30 meters square, which contained a movie theater, club, meeting rooms, game rooms, music rooms, and library which provided a meeting place for choreographic, musical, chess and sport circles.

#### Wages

32. Truck drivers earned between 1000 - 1200 rubles monthly, depending upon the tonnage hauled and the number of kilometers driven. Lathe operators earned about 700 rubles monthly. Instrument specialists earned 1000-1500 rubles monthly. People in the welding, chemical, and galvanizing shops earned 1500-1600 rubles monthly. Office personnel averaged 600 to 800 rubles monthly.

# Sanitary Conditions

33. The plant had two polyclinics shown as points 17 and 27, Plant Layout. Each employee of Plant No. 30 had to be X-rayed once a year. The shops were kept in fairly clean condition.

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### Security

- 34. The position of the guards is indicated on the Plant Layout. The plant had about 250 guards, both male and female, who wore a greenish-gray uniform without shoulderboards. The female guards carried pistols, whereas the male guards were armed with rifles.

  the guards belonged to the MGB. The chief of the guards wore a khaki military uniform without shoulderboards. There were about 20 German police dogs which were on long leashes at night.

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- 35. Each employee had a pass which was of black cardboard folded in the center to a size about eight centimeters by five centimeters. There was no writing on the outside cover. On the inside cover there was a place for a photograph, name, last name of the employee, factory stamp and signature of a factory official and of the bearer. Furthermore, each pass had a certain letter stamped on it which indicated the entrance gate to be used by the employee.

when reporting for work at the appropriate gate and were required to turn in the pass to the timekeeper in their particular shop. In the evenings, the workers picked up their passes from the timekeepers and left them at their respective entrance gates. Truck drivers

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	picked up their pass leaving, but kept the they were always ent	e pass with them d	uring their worki		
36.	Plant No. 30 had als Militia or the NGB.	o about 30 or 40 w	niformed firemen	who belonged to	the
	Atomic Shelter			£	50X1-HUM
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	shelter and was rese were no other air-ra not receive atomic d	rved for the use of id shelters in the	f the Director ar	nd his staff. Th	ere
	Organization and Per	connel			
38.	The plant administrate engineers, and techn assembly shops for: manufacturing shops; foundries; repair shearpenter shops; (ir production of toys, milk cans; a shop whealnt shops; and a swere the guards and firm storage sections; se section; the control not include garages of the electric lormaintenance of apart Komsomol section; the section (about 150 p	fusciace, wince, an instrument shope der shop; a shop for shop; a shop for the form of the fuscion of the form of the fuscion of the fuscion of the veral laboratories ling sections; the and drivers, but wies and tow trucks ments for factory of Plant Committee	the final the final tail, nose, cabir p; force and pres ; compressor shop or processing ser iceboxes; a shop or were produced; and testing scale section; a garag restaurants; the ; a medical secti transportation a is only for inter ; a section for comployees; the Co	loo different sho l assembly shop; n and allerons; j; s shops; die sho p; sawmills and rap; a shop for p for production a galvanizing sh ge mechanics sect c warchouses and g lon; a technical section, which di real traffic comp construction and examinist Party an	of op; n ion; 60X1-HUM
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KOK	CHAKIN (fnu), an	Air Force col	lonel. This co	lonel was a brotho	er of General
SOL.	MEEV (fnu), an 1 ocurement.	1GB colonel wi	io was deputy to	the Director for	r personnel
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PET	TUKHOV (Mu), a mc	tor in the A	lr Force		
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SLA	BODKINA (fmu), w	as chief of d	non no. 9.		
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p,	SOLITSEV,	Ivan Androye	evich, was foremen of the truck drivers' section	•   _
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q.	OVECHECIH (	(fmu), was th	no Communist Party Secretary for Plant No. 30.	
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	<u>Visitors</u>		•	50X1-HUM
43.	The follow	ing persons	were known to have visited Plant No. 30 on vari	ous .
•	occasions	USTINOV (1	nu) illinister of Armament Industry, and official	
			visited Plant No. 30 about twice annually. The	
	Marched to	ne vork being n. Other vis	performed and looked at the finished products attors to Plant No. 30 were (1945-56 period):	O1
	BUING BITOP	J. OOLOI VI.	savora do racaro not po nero (15.5) yo germonyo	
Į			terms of the terms	10/6
	mrmo Pro	nidont of Viv	Coslavia, in 1948. Kirushchev in	
	the plant	desimer. 1	i Plant No. 30. ILYUSHIN 11v	20 50X1-HUM
		subway static	on 'Sokol'.	1
			STALIN's son, a Lu. Ceneral in the Air Force, he	
	personal	car p until 1952	serviced in Plant No. 30 and was a frequent	brone
	ATST. COL. (I)	p micit 1972	•	ļ. 
	Buildings			
		·	1.4.1.072-44.17-00.1-44.1	<b></b>
144.	Refer to	Inclosure 1	aketch of Plant No. 30 layout. tifies the numerical designations:	50X1-HUM
	TOTTOMING	, resent ruen	office and immeriour acordinations.	30X1-HOW
	Point 1.	Military Ka	nerne. This was an area about 300 meters square	1
		surrounded	by a wooden fence two and one half meters in he	.cht.
		many 2TS-15	O trucks and small Willys Jeeps. Inside the for	50X1-HUM
		off area we	re three rows of five four-story red brick built	lings,
			a mechanised unit of the Moscow carrison was locarred troops leave from this Kaserma in	eated
	•	TH MITH VOR	orne. troops leave from this Kaserne in in jeeps for the parades held in Moscow on the	
		of May.	THE DECTOR AND THE WAY AND THE THE PROPERTY OF THE PARTY	
	k			
	Point 2.	Open work a	uea. In this area, about 70 meters x 50 meters	, larce
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discarded steel and iron jigs, and rejected parts were cut up into small parts for scrap material by means of an autogen (Avtogen).

- Point 3. Crushing press. This was a one-story gray brick building, about 30 meters x 10 meters in area dimension. A press broke up waste steel and iron into scrap material.
- Point 4. Railroad terminal. At this point the railroad lines servicing Plant No. 30 connected with the Moscow ring. The terminal was called the 8th siding (8th Tupik). The area also contained a platform about 50 meters long and 10 meters wide from which scrap steel and iron were loaded onto railroad flatcars.
- Point 5. Sawmill. This was an area about 200 meters long and 60 meters wide containing seven to ten one-story wooden barracks, each about 50 x 20 meters in area dimension. Some buildings were used as storage points for cement, sand, flour, glass, etc; other buildings were carpenter shops and sawmills. The carpenter shops made moulds for the foundry, wooden doors and window frames for new buildings under construction, and various items used in Plant No. 30, such as work benches, clothes closets, etc. Stacks of lumber were stored in a yard in this area. The carpenter shops were equipped with about 10 electric saws, and several planing, drilling and cutting machines (source was not certain of these details). The sawmill operated in two shifts, and employed about 150 people on each shift.
- Point 6. Boilerhouse. This was a one-story gray brick building about 10 meters square, containing one furnace which supplied heat to the 50X1-HUM buildings shown as points 7 and 8, below.
- Point 7. Toy shop. This was a one-story, white brick building, about 100 meters long and 35 meters wide. One end of the building was two-stories high and extended over an area about 20 meters x 35 meters. The building had a black metal gabled roof. On the first floor were five lathes, two or three planing machines, four cutting-crushing machines, eight presses, eight drilling machines and five or six pipe cutting machines, all of which were old Soviet-make machines in poor condition. This shop made sleds, toy horses, ladles, spoons, forks and beds. On the second floor, at the end of the building, were offices, a library, club rooms and lockers for the workers. This shop usually operated in two shifts, employing 120-150 people on each shift.
- Point 8. Foundry. This was a one-story grayish-white building, 150-200 meters x 30 meters in area dimension. One end of the building which extended over an area 20 meters x 30 meters was three stories high. This building contained ten electric furnaces. Kerosene stoves were manufactured in this foundry. On the second and third floors were diming rooms, offices, a library, a club and a first aid station where a doctor and a nurse were on constant duty. The foundry operated in two shifts, employing about 150 people on each shift.

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- Point 9. Fence. A wooden fence, about three meters high topped with barbed wire separated three areas (points 6, 7, and 8) and also surrounded the experimental factory shown as point 10, as well as all buildings of Plant No. 30.
- Point 10. Experimental factory. This was an area about 400 meters square surrounded by a separate fence.

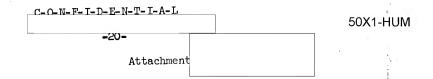
  | Jet aircraft engines being tested in this area. When some engines were tested, the sound could be heard for about five minutes in a radius of about five kilometers, the ground vibrated and flashes of fire could be seen for two 50X1-HUM to three seconds. In 1947 and 1948 German V-1 and V-2 rockets were brought to this factory

the prototype of the light bomber (believed to be the Beagle-Ilyushin-23) manufactured in Plant No. 30 was produced in the experimental factory.

- Point 11. Gate. This was the entrance to the toy shop, foundry and boiler-house, shown as points 6, 7, and 8 above. There were two entrances for employees and one entrance for vehicles. Three female guards were always on duty at this gate, checking plant passes and vehicles.
- Point 12. Gate. This was the entrance to the experimental factory shown as point 10 above. There were four or five entrances for employees and one entrance for vehicles. Six to seven female guards were always on duty at this gate, checking plant passes and vehicles.
- Point 13. Gate. This was an entrance for a railroad line, vehicles and employees. Four to five male and/or female guards were always on duty at this gate, checking plant passes and the contents of railroad cars, and vehicles.
- Point 14. Railroad lines. There were two single-track railroad lines of the standard Soviet gauge which served the plant area.
- Point 15. Hospital. This was the Dotkinskiy Hospital, a Moscow City hospital. It occupied an area about 800 meters x 500 meters and was composed of 15-20 buildings ranging from one to four stories in height. It was one of the best hospitals in Moscow and had all types of wards.
- Point 16. Residential area. This area contained one 10-story apartment building, about 200 meters long and 50 meters wide, and three six-story apartment buildings, about 100 meters long and 30 meters wide. Those buildings were quarters for the employees of Plant No. 30 only.
- Point 17. Polyclinic and apartment/house. This new building constructed in about 1954 was a 10 or 12-story white brick building, about 170 meters x 30 meters in area dimension. The first floor contained a polyclinic staffed by 50 dectors and nurses, as well as a day mursery for small children. The other floors contained

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	. Adderment	:
	apartments. The polyclinic, day nursery and apartments we employees of Plant No. 30 only.	,•
Point 18.	Trolley car stop.	50X1-HUM
Point 19.	Trolley car line This line went along Botkinskiy Proyezd and Leningradakoye shot servicing Plant No. 30. Streetcars traveled along this realout every ten minutes.	
Point 20.	Factory trade school. This was a three-story white brick building about 50 meters x 25 meters in area dimension who about 300 Plant-30 apprentices were trained as lathe operamechanics, machinists, etc. These apprentices were billed fed, and supplied with clothing by Plant-30, but they did receive any salary.	tors,
Point 21.	Printing shop. This was a two-story gray brick building a 20 meters square where a factory newspaper, various bulled labels and tags for the various plant products such as because, etc. were printed.	tins,
Point 22.	Repair shop. This was a one-story, gray brick building at 75 meters long and 35 meters wide.	bout F
, <sup>(13</sup> -37)	the incide layout and machinery, as descent, remained unchanged in 1956, but the numerical designs changed to No. 54  In 1946 shop No. 10 worked one shift, emploated 100 people, but in 1956 this shop operated in two of three shifts, employing about 100 people on each shift. Shop Number of the shifts, employing about 100 people on each shift. Shop Number various metal items for Plant 30, such as drills, bistands, jig parts, hand trucks, steel containers, etc., uthe manufacture of aircraft parts (see page 35 for the layof this building).	mation 50X1-HUM ovinc50X1-HUM r mis wo o. 10 ts, sed in
Point 23.	Repair shop. This was a one-story gray brick building ab meters long and 10 meters wide. Here the meters of vario machinery were repaired. The shop contained two lathes, milling machines, and several benches for machinists.	us
Point 24.	meters x 25 meters in area dimension, where steel girders	and n an ing
Point 25.	Plant entrance. There were two entrances for employees a for vehicles at this location. Three or four female guar on constant duty at this entrance checking plant passes a vehicles.	ds were



- Point 26. Railroad entrance. The railroad line (point 14 above) entered the plant area at this point. One or two male guards were on constant duty at this entrance, checking the contents of the railroad cars.
- Point 27. Polyelinic. This was a four-story gray stude building, about 100 meters long and 35 meters wide. On the first floor there was a polyelinic staffed by 10 doctors and 10 murses who conducted annual physical examinations of the plant personnel. Part of the first floor was taken up by a model carpenter shop, where prototype moulds for the foundry were made. The second 50X1-HUM floor of the building was occupied by the technological section and had various drafting and planning offices.
- Point 28. Loading platform. This was a reinforced concrete platform about 80 x 30 motors in area dimension. A mobile ten-ton crane, mounted on a reinforced cement platform stood at this point.
- Point 29. Loading platform. This was a reinforced concrete platform about 50 meters long and 10 meters wide.
- Point 30. Fire station. This was a three-story red brick building about 30 x 20 meters in area dimension. The first floor contained six or seven fire engines mounted on ZIS-150 chassis. The second floor contained bedrooms and alert rooms for the firemen, and on the third floor various offices were located. This building had an observation tower about 50 meters high manned by one or two firemen on 24-hour watch.

  The station about the second floor contained six or seven firemen and alert rooms for the firemen, and the plant50X1-HUM employed 30 to 40 firemen.
- Point 31. Paint shop. This was a very tall one-story frame and brick building about 200 meters x 80 meters x 50 meters in dimension, which contained two shops. In one shop, winge, fuscinges, afterons, tail sections and pilot's cabins were painted. In the second shop, imitation leather protective covers for aircraft engines and cabins were made. This second shop also manufactured imitation leather tool kits which were placed in the aircraft. The paint shop operated in three shifts, employing about 100 people on each shift, whereas the other shop worked only two shifts, employing about 100 people on each shift.
- Point 32. Storage. This was a one-story gray brick building, about 30 meters long and 20 meters wide, which served as a storage area for aluminum and steel sheets and various pipe.
- Point 33. Restaurant. This was a one-story, blue painted, wooden barrack type building, about 20 x 10 x 4 meters in dimension.
- Point 34. Gate to the Central Airfield. This was a barbed wire fence, which formed a gate between Plant 30 and the Central Airfield. At intervals there were openings in the barbed wire, to permit aircraft from Plant 30 to be taxled out to the airfield. These entrances were guarded by Plant 30 guards. There were heavy

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	chains across the entrence gates. There were also winches and
	hotsts near the cates (acces the cates the 50X1-HUN
Point 35.	Hardstands. This was an area about 200 meters square, paved with asphalt. IL-12 aircraft undergoing minor repairs were parked here and repaired in this open area.
Point 36.	Parking area. This was an open area about 200 meters x 100 meters where 50-60 electro-cars were parked. Some of the electro-cars were empty, some were loaded with wings, cabins or fuselage parts awaiting chipment to the final assembly shop.
Point 37.	Storage area. This was an outdoor storage area about 200 meters by 100 meters where various wooden boxes were stored.
Point 38.	30 meters in area dimension. The larger part of the building served as a garage for about 150-200 electro-cars, and for the fuel trucks. The northern end of the building, a section about 30 meters square, was three stories in height. In this three-story section, the first floor contained a laboratory, of which source knew no details. The second floor had various offices, and a radio station was located on the third floor. A straight antenna about five meters in height, topped by a round disk about one meter in diameter, was mounted on the roof of the radio station.
Point 39.	about 20 meters square where the aircraft rubber fuel tanks were tested for pressure. The rubber tanks were placed in metal casings, and kerosene was poured into the tanks. The kerosene was kept in the tank several hours and then was poured out. Five or six Air Force officers were always present at these tests. Source did not know the checking procedures, but he saw that the officers entered some notes in a booklet, and the women who conducted the testings stumped the tanks with a rubber stamp, after approval by the Air Force officers. This shop operated in three chifts, employing about 10 women on each shift.
Point 40.	Streets. The streets inside the plant area were 10 to 20 meters in width, were all asphalt paved and were in good condition.
Point 41.	Storage area. This was an outdoor storage area about 50 meters square where empty boxes, as well as wooden boxes containing aircraft engines and/or parts, were stored.
Point 42.	Cabin shop. This was a one-story building with gray brick and glass walls, about 100 x 50 x 35 meters in dimension, with a saw-tooth steel skylighted roof. Here the duraluminum pilot's cabins were manufactured. This shop operated in three shifts, employing about 1,100 people on each shift.
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Point 43.	Hardstands. Two ressencer planes, one a two-wing plane of the	e SUAT-FIUIVI
	in this area. These two planes ferried pilots from the Ramen	
	Miffield to the club house shown as point 45, below.	50X1-HUM 50X1-HUM
Point 44. C	Gun firing pit. This was a gray brick, three-walled pit, abou	t ·
	35 meters square with a steel roof. Inside this structure we earth pits where the aircraft machine cans were tested.	
	the alx	
	was towed into this installation nose first, and the nose and	l wing
	guns were test fired. Afterwards the plane was rolled out ar rolled in tail first, and the tail guns were test fired. The	<del></del>
	time required for this procedure was about one hour for one	i
	aircraft.	i
Point 45.	Club house. This was a two-story brick building about 25 met	te <b>rs</b>
FOLIA 470	v 16 motors in area dimension. Test pilots ranging in grade	
	from lieutement to colonel who test flew the aircraft product in Plant 30 from the Central Mirfield to the Eumenak Mirfield	30.
	At a Force technical and envincering officers the tested the	
	various parts manufactured in Plant 30, and Air Force mechan	ែទ 50X1-HUM
	waited in this building for their various jobs.	50X1-HUM
Point 46.	Final assombly shop. This was a one-story building with gray	у 📂
	but of and class volls, about 100 x 70 meters in area dimensi	on r
	with a new-tooth steel skylighted roof. This building was of lights to all personnel not assigned to this building.	
	ther	<sup>e</sup> 50X1-HUM
	were two parallel platforms, on which the aircraft ruserage, wings, nose section, pilot's compartment, and the tail secti	50Y1 HUM
	all the other equipme	nt ;
	the buding engines, machine cuns, radio apparatus and instrum	ont
	panels were installed in the aircraft in this shop.  a total of 4,000 to 5,000 people worked in this building	uc.
	during the three shifts. Stairs led to a mezzanine which is	imea.
	a good floor on this floor there were offices for the si	iop ;
	manager, foremen, engineers, technical and technological sec bookkeeping section, and dining rooms, rest rooms and storag	30
	rooms. This building was equipped with a loud speaker syste	m.
Boint 117	Electric doors which opened into the final assembly shop.	į ·
Point 48.	"Honolit". This building called "Monolit' had walls of gray brick and class, and was about 350 x 200 meters in area directly and class, and was about 350 x 200 meters in area directly and class.	ension.
•	Te had a now-tooth steel skylighted 1001. This bulleting con	1-
.,	totand 20-20 different shops and was equipped with 2000 var	rons (
•	machines such as polishing, planing, drilling, milling machinesses, etc. Up through 1955, this shop had	
	moke machines. In 1995 the	50X1-HUM
	machines were replaced with new Soviet machines, type DIP 20 DIP 300, DIP 400, DIP 500 and DIP 700, manufactured by the	50X1-HUM
	Vypamic Projetary in Moscow. The initials DIP were the abo	IGATA-
	the same "transport T Description", [cotch up with and overtake	1.
	This shop employed about 10,000 people on all three shifts, manufactured all the necessary parts for aircraft, such as	RDQ.
	mammactured all the necessary pares for allerate, such as	

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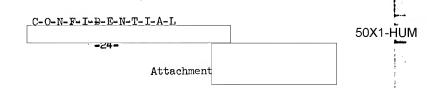
wheels, ribs, bolts, sereus, muts, etc. Stairs led to a mezzanine which formed a second floor. On the mezzanine were offices for the drop manager, technologist, foremen, engineers, as well as technical, technological, boddteeping offices, diming rooms, storage rooms and rest rooms.

- Point 49. Wings, Tail and Aileron Shop. This was a one-story gray brick and glass building about 350 meters x 40-50 meters in area dimension, with a saw-tooth steel skylighted roof. The entrance to this building was restricted and source was there only once. The building contained Jigs, air harmers, drilling machines, presses and other machinery. A total of about 4,000 people worked in three shifts in this shop making wings, tail sections and ailerons. There were special doors connecting this shop to point 46, Plant Levent.
- Point 50. Compressor Shop. This was a one-story gray brick building about 30 x 20 meters in area dimension, containing air compressors which furnished air by means of pipe lines to various shops for use in operating air harmers, etc.

  50X1-HUM
- Point 51. Jig Shop. This was a one-story gray brick, steel and glass walled building, formerly of frame construction, which had been completely remodeled in 195k. The machinery was not replaced. The building was about 70 x 35 meters in area dimension with a sawtooth steel and skylight roof. It contained lathes, and planing, drilling and milling machines. Jigs for the assembly of fuselages and wings were constructed in this building.

  A total of 2500 people worked here in three shifts. Stairways led to a mezzanine which formed a second floor. On this floor there were offices for the shop manager, foremen, engineers, technical and technological sections, and a bookkeeping section, and dining rooms, rest rooms and storage rooms.
- Point 52. Furnace. This was a one-story gray brick building about 30 x 20 meters in area dimension containing three furnaces.
- Point 53. Water basin. This tenk, about 30 meters square and two meters deep, contained unter to be used in case of fire.
- Point 54. Furnace. This was a one-story gray brick building, about 50 meters long and 20 meters wide which contained five furnaces.
- Point 55. Oxygen storage. There were two one-story brick buildings each about 30 x 10 meters in area dimension, and which were raised on steel column used for the storage of oxygen bottles. Two special oxygen trucks were parked in this area (see sketch of trucks, page 37).
- Point 56. Stadium called 'Velodrom' scating about 15,000 people.
- Point 57. Main entrance. This entrance had seven gates for employees and a gate for passenger cars only. Two guards were stationed at each employee entrance and one guard was posted at the passenger car gate at all times.

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- Point 58. Guard houses. This was a two-story stude building, 15 x 10 meters in area dimension. On the first floor were rooms for the guards, and the second floor contained offices for the guard chief and his staff.
- Point 59. Park containing gardens, fountains, etc. leading from main entran-
- Force shop. This was a one-story gray brick and class building, Point 60. about 70 x 25 meters in area dimension, with a saw-tooth steel skylighted roof. This shop contained a mazut furnace, air harmers and five forces . The shop produced various aircraft parts. This building was enlarged in 1955, when a new large Soviet-make force press, about 15 meters in height, five meters long and two meters wide, was installed. In order to place this press in the force shop the building was enlarged by about 10 meters. The new construction had the same type walls and roof as the remainder of the building. a total of 300 people were employed here in three shifts. Stairs led to a mezzanine which formed a second floor. On this floor were 50X1-HUM offices for shop manager, foremen, engineers, technical and technological sections and bookkeeping section, and dining rooms, rest rooms, and storage rooms.
- Point 61. This was a two-story gray stuces building, 120 x 35 meters in area dimension with a gabled steel skylighted roof. Shop No. 24 (designation may have changed) was located on the first floor. Punches, dies, and moulds were made in this shop which contained 25-50 lathes, five to ten planing machines, five to ten milling machines, three to five polishing-grinding machines, vertical machines and machinists benches. The shop operated in two shifts, employing a total of about 400 people. The second floor was occupied by Shop No. 9, an instrument shop. (See alsotch of shop layout, page 34, for additional details.) In the center of the building there was a third floor, about 40 x 35 meters in area dimension; a laboratory, technical library and drafting offices were located in this section. The third floor area was restricted and source could supply no other information.
- Point 62. Engine run-up area. This was an open outdoor area about 300 meters long and 100 meters wide. About 10 to 15 aircraft were usually parked in this space where mechanics tested the engines. This was the final phase of the aircraft production process and after the engines were tested the aircraft were taxled to the Central Airfield, point 63, below.

  50X1-HUM
- Point 63. Central Airfield. This airfield was for both civilian and military planes.

  According to rumor, in 1956 the civilian air traffic was to be transferred to Vnukovo (N 55-39, E 37-17) and the Central Airport was to be for military aircraft only.
- Point 64. Service station. This was a casoline filling station used by the trucks of Plant 30. It included underground cas storage areas

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and a small, one-story frame office building, about 10 meters square.

- Point 65. Hew chop. This was a one-story gray brick and glass walled building, about 180 meters long by 50 meters wide, the location of a new galvanising chop and foundry. In September 1956, only the exterior had been completed, and the building was not roofed.

  No machinery had been installed.

  scrap metal, boards and boxes were stacked up inside the 50X1-HUM new shop.
- Point 66. Transformer station. This was a red brick building about four by four by three meters in dimension, which contained two electric transformers.

  50X1-HUM
- Point 67. Coal dimp. This was an open air storage area with a coal pile about 60 meters long, 10 meters wide and three meters high.
- Point 68. Garage. This was a one-story, gray brick building about 120 x 25 meters in area dimension, with a sheet metal roof. This garage also had a repair shop which contained five lather, three milling machines, three drilling machines and two polishing-grinding machines. All the maintenance and repair work on plant passenger cars and trucks was done in this shop. There were also 15-20 trucks parked inside this building. About 100 people worked in this garage in two shifts.
- Point 69. Parking area. About 200-300 trucks were parked in an irregular pattern in this area.
- Point 70. Administration building. This was a three-story, "L" shaped building. One wing was 80 x 25 meters in area dimension, and the other wing about 30 meters square. On the first floor were offices for factory committees, a personnel section, a passport and documentation section, a leave records section, and the cashier's office. The second floor contained various bookkeeping offices. The third floor contained offices for the plant director and his staff, engineers, technologists, and for the Communist Party officials.
- Point 71. Restaurant. This was the main plant restaurant, a four-story brick and plans building about 70 x 35 meters in area dimension. The first, second and third floors each contained two large dining rooms, each with a scating capacity of about 1000 people. On the fourth floor were dining rooms reserved for the director, his staff, technologists and engineers.
- Point 72. Trolley stop.
- Point 73. Tennis courts.
- Point 74. Storage area. This was an outdoor storage area about 100 meters square where Duraluminum sheets were stored.

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Point 75.	about 50 meters long and 35 meters wide. This steadled the 'fifth depot'. In front of this built reinforced concrete loading platform equipped with first and second floors of the building, steading of the building, steading of the building steading on the other floors Duraluminum sheets were	torage area was  ling was a small  th a crane. On  clahects, iron  50X1-HUN  cleaned and 50X1-HUN
	there were other workshops containing various in storage building operated in three shifts, employ people.	otruments. This ying about 500
Point 76.	Repair shop. This was a one-story gray brick and about 15 x 10 meters in area dimension, which con a repair shop or a storage area.	d close building.
Point 77.	Tank shop. This was a three-story gray brick but x 15 meters in area dimension. On the first flootanks were manufactured. A machine shop was located floor, and the third floor contained variety	or, rubber fuel ated on the ous offices. 50X1-HUM
Point 78.	Machine shop. This was a one-story gray brick as about 80 meters square.  four-engine bomber. This building was off limits	
Point 79.	Hangar. This was a one-story gray brick and glas about 80 meters square with a glass roof. In the finished aircraft were painted with a silver pain operated in three shifts, employing about 100 per	is hongar nt. This shop
Point 80.	Paint storage. This was a one-story red brick by meters long and 10 meters wide, raised above the columns. This storage building contained paints chemicals. At this point soap was issued to the At the rear of the building was a kennel for 20 dogs used for night guard duty.	cround on steel and various plant employees.
Point 81.	Textile storage. This was a one-story gray brick building about 50 meters square with a steel root building Dermantin, an artificial leather entering the aircraft engines and cabins, was stored. At point special coveralls and protective clothing the plant employees. In the rear of the building where Duraluminum sheets were cut into various as storage area worked in two shifts, whereas the Droporated in three shifts.  300 people worked in this building.	f. In this al used to cover this storage were issued to g was a shop hapes. The
Point 82.	Garage for passenger cars. This one-story gray about 100 x 25 meters in area dimension was a garagesenger cars and autobuses. The building also work benches for machinists. A stairway led to containing offices for the garage chief and the section, and a club room.	rage for plant contained some a mezzonine

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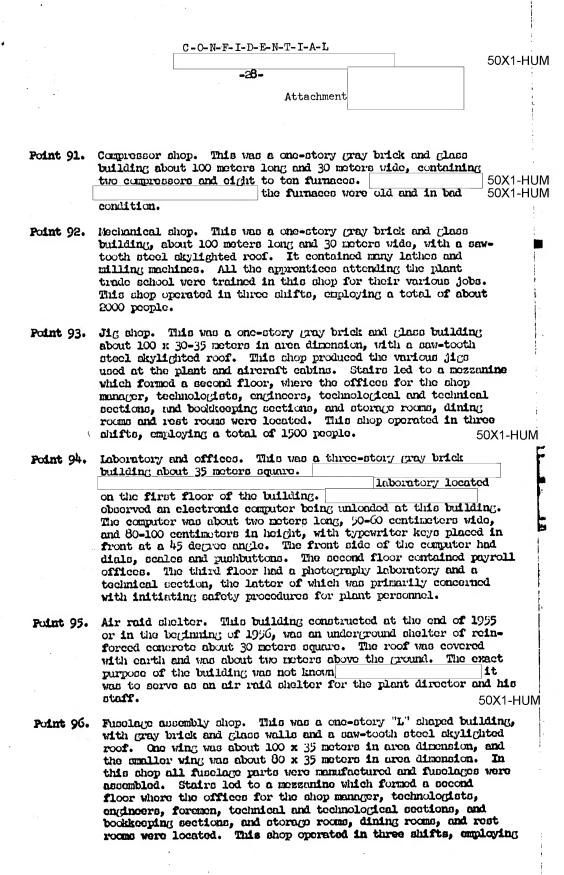
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- Point 83. Gate. This gate connected the old plant No. 1 with the other plant, when these two plants were merged in 1950. This gate was used only by vehicles and truck drivers. Two to three guards were on duty at this gate at all times checking the contents of the vehicles. All Plant 30 buildings emmerated below located east of point 83 formerly had formed a separate shop. In 1950 these buildings were incorporated into the Plant 30 area.
- Point 84. School. This was a three-story white brick school building about 50 meters long and 25 meters wide, built in 1954, for the children of plant employees.
- Point 85. Stadium, called "Stadium of Young Pioneers", scating capacity, about 10,000.
- Point 86. Trade School. This was a four-story red brick building about 70 x 25 meters in area dimension. Up until 1954 this building was a plant polyelinic. After that date the polyelinic was transferred to the new building shown as point 17 above, and this building was converted into a trade school for training Plant 30 employees in various aircraft construction techniques.
- Point 87. Gate. This gate had eight entrances for employees and one entrance for vehicles. About 20 guards were on duty at this gate at all times, checking the passes of the employees, and the contents of the vehicles.

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- Point 88. Storage building. This was a four-story gray brick building, about 100 meters long and 30 meters wide, called "Depot Metisov".

  Various aircraft instruments and radio equipment were stored on the first floor. Aircraft machine guns were stored on the second floor. Various items of installed equipment were stored on the third floor. \_\_\_\_\_\_\_\_ the fourth floor contained offices. Electrical wiring and radio cables were stored in the basement of this building. The depot operated in two shifts, employing about 150 people on each shift.
- Point 69. Ejection scat testing area. This was a steel tower, about five meters in height, about one meter square constructed like a pilot's cabin. The ejection seats for the pilot and navigator were tested in this tower.
- Point 90. Galvanizing shop. This was a one-story gray brick and glass building, about 200 x 35 meters in area dimension with a save-tooth steel skylighted roof. It contained three large forges for processing engines cowlings and a galvanizing section. This shop also manufactured milk cans from the scrap metal. This building contained an unknown number of electrical welding machines. Stairs led to a mezzanine which formed a second floor. On the second floor were offices for the shop manager, technologists, engineers, foremen, technical and technological sections, a bookkeeping section and dining rooms, storage rooms, and rest rooms. This shop operated in three shifts, employing a total of 500 people.

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a total of 4000-5000 people.

- Point 97. Machine shop. This was a one-story brick building about 40 meters long by 20 meters wide where steel containers, about 60 centimeters x 60 centimeters x 60 centimeters, were made.
- Point 98. Airfield buildings, apartment buildings, office buildings, shops of various sizes, on the Central Airfield.
- Point 99. Airfield control tower. This was a two-story brick building about 30 meters long x 20 meters wide with a tower about 30 meters high. An antenna was mounted on top of this tower.
- Point 100. Five or ten mirfield hangars, each about 60 x 30 meters in area dimension. Source saw these hangars from a distance and could not give any details.
- Point 101. Moseow city swimming pool. This pool was constructed in/or about 1950.
- Point 102. Laboratory. This was a five-story gray brick building, about 100 meters long and 35 meters wide. This building was off limits to all unauthorized personnel. the building contained laboratories and experimental sections. The chief of the construction and maintenance section for apartments for Plant 30 personnel, had offices in this building.
- Point 103. Carpenter shop. This was a one-story brick building, about 40 meters long and 15 meters wide where various wood items were made. This building had a basement where beards and lumber were stored. This shop operated in two shifts, employing a total of about 150 people.

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- Point 104. Foundry. This was a one-story gray brick and class building, about 100 meters x 30 meters in area dimension, with a saw-tooth steel skylighted roof.
- Point 105. Gate. This (ate had two entrances for employees and one for vehicles. Three to four guards were on constant duty at this gate, checking the plant passes and the contents of the vehicles.
- Point 106. Storage. This was a one-story red brick building about 20 by 10 meters in area dimension where various carpentry products, made in point 103 above and in point 109 below, were stored.
- Point 107. Storage area. This was an open air storage area about 100 meters long and 50 meters wide where empty wooden boxes, wooden boxes containing aircraft parts, and Duraluminum sheets were stored.
- Point 108. Weight repair shop. This was a one-story brick building, about 30 meters long and 15 meters wide where scales, ranging in capacity from five kilograms to 350 kilograms, were repaired and tested.

  | these scales had no connection with Plant 30, but were for other (unknown) factories. This shop

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- German and USSR make. This section worked two 50X1-HUM
- Lathe section. This was an area about 30 x 10 meters, containing Point 4. 30 lathes of USSR and German make. This section usually worked

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in two shifts, and 50-60 people worked on each shift. There were about 30-35 lathe operators, 10 machinists, five assistants, one inspector and one foreman assigned to each shift.

- Point 5. Freight devator, with a platform four meters square.
- Point 6. Corridor, about 100 meters long, 10 meters wide.
- Point 7. Supply point three storage rooms, each about 35 x five meters in area dimension. In each store room were two or three men who issued various tools to the shop workers.
- Point 8. Corridor, about 120 meters long and five meters vide.
- Point 9. Instrument section area of about 35 meters a five meters containing machinists benches. This shop made and assembled all the tools which went into the aircraft tool kit. This section worked in two shifts, and about 25 people were assigned to each shift.

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- Point 10. Cutting and polishing machines. Area about 35 meters by five meters containing 15 polishing-grinding machines and five or six cutting machines. These machines were USER and German make. This section worked in two shifts and employed about 25 men on each shift.
- Point 11. Welding and cutting machines. Area about five meters by ten meters containing two or three Soviet-make velding machines and one Soviet-make cutting machine. These machines were used by the workers of the various sections of Shop No. 9.
- Point 12. Lathe section. An area about 20 meters x 10 meters, containing 15 lathes placed in two rows. One row was composed of German-make lathes, type "Kerzer" or "Kerzer", and the other row consisted of Soviet-make lathes. There were five or six machinist benches. This section worked in two shifts, employing about 30 men on each shift, including about 15-20 lathe operators, six or seven machinists, three porters, one inspector-controller, and one foreman on each shift.
- Point 13. Lathes and milling machines. An area about 20 meters x 10 meters which contained 10 lathes and 10 milling machines, all of Soviet make. This section worked in two shifts, employing about 40 men on each shift.
- Point 14. Machinists benches an area about 20 meters x 10 meters containing 10-15 machinists and mechanics work benches. This section worked in two shifts, employing about 20 men on each shift.
- Point 15. Precision Instrument Section. An area about 20 moters x 10 moters, containing precision instrument stands. This section, which worked two shifts and employed about 50 men on each shift, made bore diameter gauges and micrometers.
- Point 16. Entrance.

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Point 17. Polishing-grinding section. An area about 35 meters by five meters, containing eight polishing-grinding machines. This section worked in two shifts, employing about 15 men on each shift. \_\_\_\_\_\_ a total of 600 people worked in Shop No. 9.

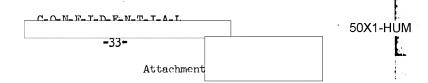
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#### Shop No. 10 and Repair Shop

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- 46. Refer to page 35 alketch of Repair Shop and Shop No. 10 (point 22, Plant Layout). The following logend identifies numerical designations:
  - Figure A. Shop No. 10 area, about 25 meters by 35 meters.
    - Point 1. Machine Repair Shop. This was an area 15 meters x 10 meters, containing five lathes, three milling machines, four planing machines and two drilling machines.
    - Point 2. Machinists Section. This was an area about 10 meters square containing about six machinists benches.
    - Point 3. Assembly Section. This was an area about 15 meters x 10 meters containing 15 assembly cylinders or drums (sic) (Sborochnyy Baraban).
    - Point 4. Corridor, 10 meters square.
    - Point 5. Machinists Section, same as point 2 above.
    - Point 6. Machinists Section, same as point 2 above.
    - Point 7. Corridor, 10 meters long and five meters wide.
    - Point 8. Corridor, 25 meters long and two or three meters wide.
    - Point 9. Lavatories. This was an area about five meters by three meters.
    - Point 10. Offices. This was an area about 20 meters by three meters, containing offices for bookkeeping, technicians, shop foremen, and manager of Shop No. 10.
- 47. Figure B. Repair Shop, area about 50 meters x 35 meters.
  - Point 1. Offices. This was an area about 40 meters by three meters, containing offices for bookkeeping, technicians, foremen, and manager of the Repair Shop.
  - Point 2. Corridor, about 40 meters by two meters.
  - Point 3. Repair Shop. This was an area about 40 meters by 30 meters, containing about 20 lathes, 15 milling machines, five

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polishing-grinding machines, three to five drilling machines, six planing machines, 15-25 machinist work benches and stands for electricians.

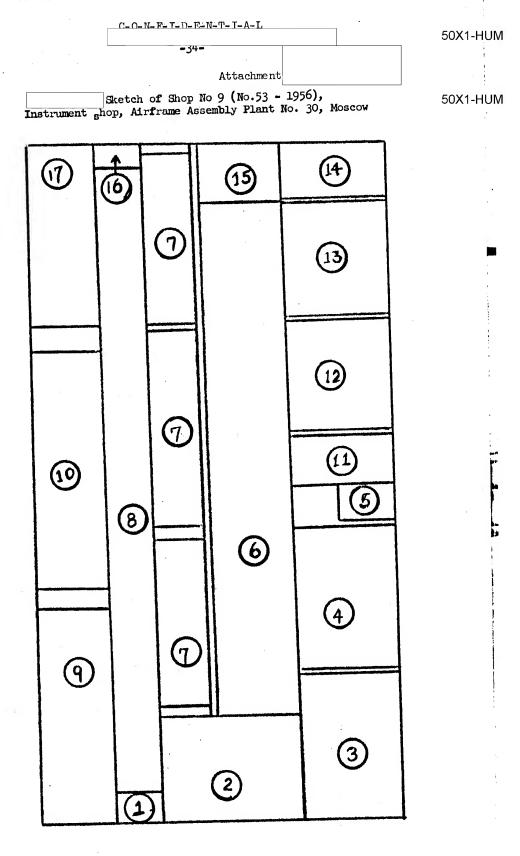
Point 4. Heavy machinery section. This was an area about 35 meters x 10 meters, containing one round planing machine (Karuselnyy Strogatelnyy), one large German-make planing machines, type "Billeter", two or three large boring machines, as well as machinists benches.

Comment

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 YaGZ is identified as the Yaroslavl State Plant (Yaroslavlskiy Gosudarstvenniy Zavod). YAZ is identified as the Yaroslavl Automobile Plant (Yaroslavlskiy Avtomobilnyy Zavod).

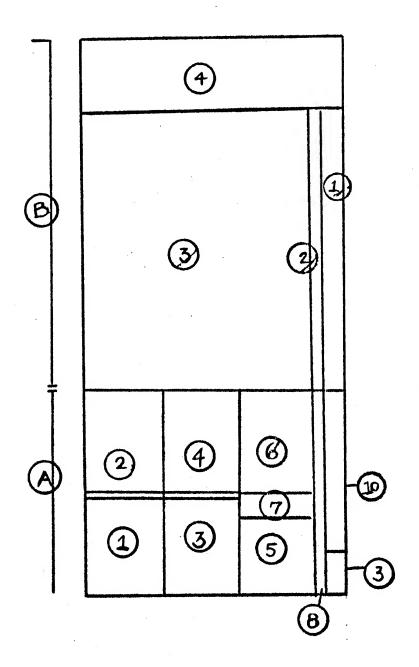
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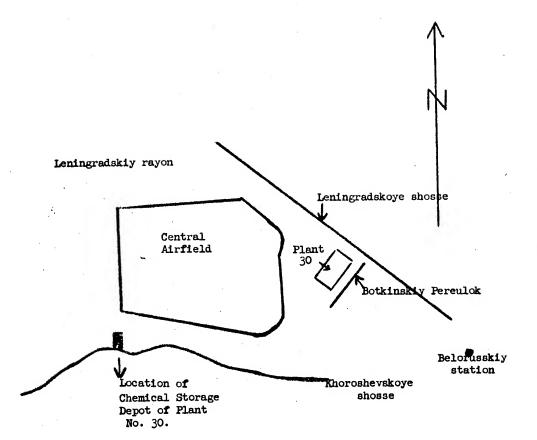
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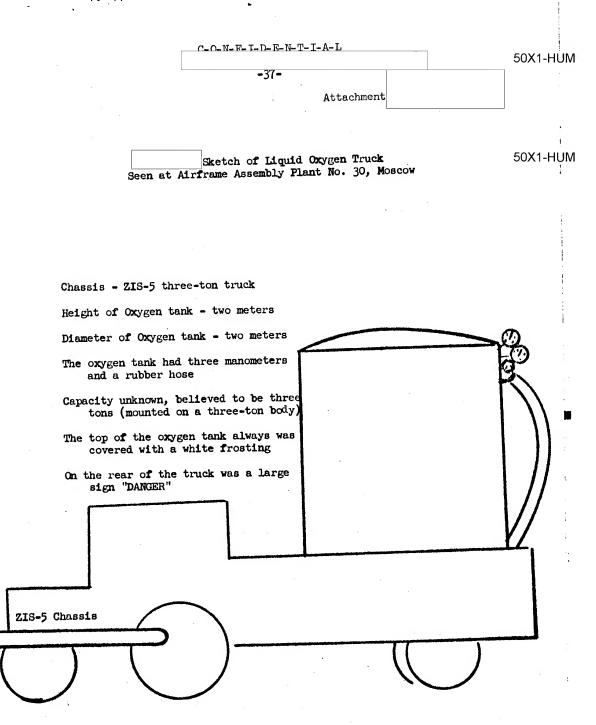
Sketch of Repair Shop and Shop No. 10, Airframe Assembly Plant No. 30, Moscow 50X1-HUM



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